

# ***EXCAVATORS - BUCKET WHEEL***

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## **A. Original Equipment Manufacturer (OEM)**

The following OEMs offer noise controls for new bucket wheel excavators as standard equipment. Local dealers should be contacted for availability and further details.

<b>Manufacturer</b>	<b>Acoustically-Treated Cabs</b>	<b>Other Noise Controls</b>
Krupp Industries	X	
O&K Orenstein & Kopper	X	
Robins Engineers	X	

“X” indicates product availability.

For older bucket wheel excavators without noise controls, additional retrofit noise controls may be needed.

## **B. Retrofit Noise Controls**

The effectiveness of retrofit noise controls for older bucket wheel excavators will be the acoustical materials and the installation.

The following manufacturers should be contacted for information regarding retrofit noise control kits or options:

- Krupp Industries
- Robins Engineers

Other major areas where retrofit noise controls should be considered are:

1. Operator's Control Area - The most effective retrofit noise control for this area is an acoustically-treated operator's cab. Contact an equipment cab manufacturer ([Appendix C](#)) or construct your own cab. In some situations, where a large number of custom cabs are needed, and the equipment cab manufacturer may design and fabricate the cab.

For a “do-it-yourself” cab, consider the following in your cab design:

- Build a rigid frame work of tubular steel.
- Use sheet metal or plywood for the outer surface.
- Treat the inside surfaces with appropriate acoustical materials.
- Install doors and windows made with safety glass and are well-sealed to prevent leaks.
- Design an environmentally-controlled interior (heater and air-conditioner).

2. Exhaust System for Diesel Engines - The exhaust system for diesel engines should be equipped with an appropriate exhaust muffler.

**C. Alternative Technology**

None identified at this time.